

# Appendix A:

*Summary of 1996 CWNS Cost Estimates*

**Table A-1**

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Documented and Modeled Needs for Publicly Owned Wastewater Treatment Facilities  
 And Other SRF Eligibilities  
 (January 1996 Dollars in Millions)

Table A-1 summarizes the 1996 EPA assessment of total documented and modeled needs by State for traditional and other SRF eligibilities to satisfy the design year (2016) population. All values are presented in millions of January 1996 dollars.

The total documented and modeled needs represent the capital investment necessary to build publicly owned wastewater treatment facilities (Categories I through V) needed to serve the design year population and satisfy other types of needs eligible for funding under the SRF program. These other eligible needs are storm water (Category VI) and nonpoint source pollution control (Category VII), which includes ground water, estuarine, and wetlands protection. These needs include all planning, design, and construction activities eligible for funding under Title II and Title VI of the Clean Water Act.

Needs estimates presented in Table A-1 may vary slightly from those presented in Figure 1 and in Tables 1, 2, and 3 due to independent rounding and exclusion of modeled needs.

State	<u>Category of Need</u>										Total (I - V)
	Total	I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Alabama	1,458	166	98	4	242	145	133	0	327	343	788
Alaska	648	395	0	0*	33	36	0	16	28	140	480
Arizona	2,520	729	551	9	68	607	186	0	136	234	2,150
Arkansas	581	120	20	10	37	45	30	0	36	283	262
California	11,482	4,975	1,824	37	983	230	627	1,094	1,200	512	9,770
Colorado	652	132	221	2	53	24	9	12	107	92	453
Connecticut	1,788	253	693	42	12	173	154	437	10	14	1,764
Delaware	267	22	10	2	1	37	32	112	43	8	216
Dist. of Columbia	624	70	20	0	0	0	0	444	18	72	534
Florida	6,258	1,253	1,603	11	160	879	740	0	1,158	454	4,646
Georgia	2,278	121	766	29	15	28	212	367	454	286	1,538
Hawaii	910	235	0	0	458	69	70	0	51	27	832
Idaho	441	153	16	1	11	54	78	0	9	119	313
Illinois	11,228	486	237	55	364	174	265	9,383	9	255	10,964
Indiana	5,267	130	78	40	25	114	89	4,463	110	218	4,939
Iowa	1,245	137	24	25	31	76	53	475	33	391	821
Kansas	1,669	231	143	126	33	54	260	531	101	190	1,378
Kentucky	2,502	492	26	108	89	404	340	838	71	134	2,297
Louisiana	1,073	164	155	30	164	127	74	0	172	187	714
Maine	901	110	4	23	12	76	45	488	0	143	758
Maryland	1,676	317	219	8	141	205	222	114	302	148	1,226
Massachusetts	3,746	815	51	45	36	400	341	2,023	18	17	3,711
Michigan	5,143	631	12	14	78	151	327	3,723	34	173	4,936
Minnesota	1,125	453	28	34	70	94	75	26	25	320	780
Mississippi	1,138	233	81	83	67	189	133	0	38	314	786
Missouri	3,199	504	29	255	237	135	257	887	162	733	2,304
Montana	303	48	4	6	13	26	10	1	0	195	108

Table A-1 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Documented and Modeled Needs for Publicly Owned Wastewater Treatment Facilities  
 And Other SRF Eligibilities  
 (January 1996 Dollars in Millions)

State	Category of Need										Total (I - V)
	Total	I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Nebraska	750	112	40	6	6	15	96	245	25	205	520
Nevada	84	9	0	2	3	6	16	0	38	10	36
New Hampshire	765	73	28	8	16	41	161	415	0	23	742
New Jersey	6,958	1,984	257	248	247	745	351	3,016	0	110	6,848
New Mexico	242	47	29	4	27	36	11	0	19	69	154
New York	15,956	3,377	5,955	74	1,166	327	351	3,990	80	636	15,240
North Carolina	4,131	278	1,134	136	81	1,206	918	1	161	216	3,754
North Dakota	238	64	0	0	20	0	1	0	0	153	85
Ohio	7,403	830	248	748	191	358	534	4,199	97	198	7,108
Oklahoma	698	71	76	95	17	13	46	0	199	181	318
Oregon	2,492	605	291	63	109	64	57	682	129	492	1,871
Pennsylvania	6,302	926	161	15	42	701	185	3,978	46	248	6,008
Rhode Island	1,209	125	59	2	24	328	147	517	0	7	1,202
South Carolina	1,753	582	258	15	28	265	376	0	85	144	1,524
South Dakota	304	36	1	0*	26	12	17	14	7	191	106
Tennessee	1,313	143	65	57	138	136	214	99	281	180	852
Texas	6,351	1,366	732	519	873	354	884	0	895	728	4,728
Utah	429	136	0	0	27	81	59	0	32	94	303
Vermont	362	49	53	3	1	35	14	162	0	45	317
Virginia	4,311	740	1,066	155	160	514	577	556	385	158	3,768
Washington	1,710	284	5	81	19	55	136	540	207	383	1,120
West Virginia	1,686	241	23	28	27	300	258	772	0	37	1,649
Wisconsin	2,285	418	102	33	257	259	176	53	30	957	1,298
Wyoming	80	16	9	1	3	5	4	0	0	42	38
Amer. Samoa	41	5	0	0	0	32	4	0	0	0	41
Guam	48	36	0	0*	0	7	5	0	0	0	48
No. Marianas	49	25	0	0	0*	6	18	0	0	0	49
Puerto Rico	1,304	515	3	40	18	335	393	0	0	0	1,304
Virgin Islands	91	70	0	1	20	0	0	0	0	0	91
<b>Total</b>	<b>139,467</b>	<b>26,538</b>	<b>17,508</b>	<b>3,333</b>	<b>6,979</b>	<b>10,788</b>	<b>10,771</b>	<b>44,673</b>	<b>7,368</b>	<b>11,509</b>	<b>120,590</b>

Categories:	I	Secondary Treatment	IVB	New Interceptor Sewers
	II	Advanced Treatment	V	Combined Sewer Overflows
	IIIA	Infiltration/Inflow Correction	VI	Storm Water
	IIIB	Sewer Replacement/Rehabilitation	VII	Nonpoint Sources
	IVA	New Collector Sewers		

<sup>†</sup> Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-2**

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Documented Needs for Publicly Owned Wastewater Treatment Facilities and Other SRF Eligibilities  
 (January 1996 Dollars in Millions)

Table A-2 summarizes the 1996 EPA assessment of total documented needs by State for traditional and other SRF eligibilities to satisfy the design year (2016) population. All values are presented in millions of January 1996 dollars.

The total documented needs represent the capital investment necessary to build publicly owned wastewater treatment facilities (Categories I through V) needed to serve the design year population and satisfy other types of needs eligible for funding under the SRF program. These other eligible needs are storm water (Category VI) and nonpoint source pollution control (Category VII), which includes ground water, estuarine, and wetlands protection. These needs include all planning, design, and construction activities eligible for funding under Title II and Title VI of the Clean Water Act.

Needs estimates presented in Table A-2 may vary slightly from those presented in Figure 1 and in Tables 1, 2, and 3 due to independent rounding and exclusion of modeled needs.

State	<u>Category of Need</u>										Total (I - V)
	Total	I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Alabama	788	166	98	4	242	145	133	0	0	0	788
Alaska	486	395	0	0*	33	36	0	16	0	6	480
Arizona	2,231	729	551	9	68	607	186	0	49	32	2,150
Arkansas	262	120	20	10	37	45	30	0	0	0	262
California	11,767	4,975	1,824	37	983	230	627	1,094	1,986	11	9,770
Colorado	456	132	221	2	53	24	9	12	0*	3	453
Connecticut	1,764	253	693	42	12	173	154	437	0	0	1,764
Delaware	216	22	10	2	1	37	32	112	0	0	216
Dist. of Columbia	606	70	20	0	0	0	0	444	0	72	534
Florida	5,363	1,253	1,603	11	160	879	740	0	419	298	4,646
Georgia	1,538	121	766	29	15	28	212	367	0	0	1,538
Hawaii	832	235	0	0	458	69	70	0	0	0	832
Idaho	313	153	16	1	11	54	78	0	0	0	313
Illinois	11,007	486	237	55	364	174	265	9,383	0	43	10,964
Indiana	4,939	130	78	40	25	114	89	4,463	0	0	4,939
Iowa	849	137	24	25	31	76	53	475	28	0	821
Kansas	1,378	231	143	126	33	54	260	531	0	0	1,378
Kentucky	2,306	492	26	108	89	404	340	838	9	0	2,297
Louisiana	714	164	155	30	164	127	74	0	0	0	714
Maine	759	110	4	23	12	76	45	488	0	1	758
Maryland	1,370	317	219	8	141	205	222	114	38	106	1,226
Massachusetts	3,713	815	51	45	36	400	341	2,023	1	1	3,711
Michigan	4,936	631	12	14	78	151	327	3,723	0	0	4,936
Minnesota	807	453	28	34	70	94	75	26	0	27	780
Mississippi	786	233	81	83	67	189	133	0	0	0*	786
Missouri	2,803	504	29	255	237	135	257	887	19	480	2,304
Montana	118	48	4	6	13	26	10	1	3	7	108

**Table A-2 — Continued**

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Documented Needs for Publicly Owned Wastewater Treatment Facilities and Other SRF Eligibilities  
 (January 1996 Dollars in Millions)

State	Total	Category of Need									Total (I - V)
		I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Nebraska	560	112	40	6	6	15	96	245	35	5	520
Nevada	36	9	0	2	3	6	16	0	0	0	36
New Hampshire	742	73	28	8	16	41	161	415	0	0	742
New Jersey	6,935	1,984	257	248	247	745	351	3,016	0	87	6,848
New Mexico	161	47	29	4	27	36	11	0	0	7	154
New York	15,863	3,377	5,955	74	1,166	327	351	3,990	30	593	15,240
North Carolina	3,931	278	1,134	136	81	1,206	918	1	160	17	3,754
North Dakota	93	64	0	0	20	0	1	0	0*	8	85
Ohio	7,254	830	248	748	191	358	534	4,199	129	17	7,108
Oklahoma	318	71	76	95	17	13	46	0	0	0	318
Oregon	1,919	605	291	63	109	64	57	682	45	3	1,871
Pennsylvania	6,055	926	161	15	42	701	185	3,978	15	32	6,008
Rhode Island	1,208	125	59	2	24	328	147	517	0*	6	1,202
South Carolina	1,539	582	258	15	28	265	376	0	8	7	1,524
South Dakota	128	36	1	0*	26	12	17	14	22	0	106
Tennessee	866	143	65	57	138	136	214	99	0	14	852
Texas	4,728	1,366	732	519	873	354	884	0	0	0	4,728
Utah	307	136	0	0	27	81	59	0	4	0	303
Vermont	317	49	53	3	1	35	14	162	0	0	317
Virginia	3,931	740	1,066	155	160	514	577	556	163	0	3,768
Washington	1,164	284	5	81	19	55	136	540	31	13	1,120
West Virginia	1,649	241	23	28	27	300	258	772	0	0	1,649
Wisconsin	2,024	418	102	33	257	259	176	53	35	691	1,298
Wyoming	38	16	9	1	3	5	4	0	0	0	38
Amer. Samoa	41	5	0	0	0	32	4	0	0	0	41
Guam	48	36	0	0*	0	7	5	0	0	0	48
No. Marianas	49	25	0	0	0*	6	18	0	0	0	49
Puerto Rico	1,304	515	3	40	18	335	393	0	0	0	1,304
Virgin Islands	91	70	0	1	20	0	0	0	0	0	91
<b>Total</b>	<b>126,406</b>	<b>26,538</b>	<b>17,508</b>	<b>3,333</b>	<b>6,979</b>	<b>10,788</b>	<b>10,771</b>	<b>44,673</b>	<b>3,229</b>	<b>2,587</b>	<b>120,590</b>

Categories:	I	Secondary Treatment	IVB	New Interceptor Sewers
	II	Advanced Treatment	V	Combined Sewer Overflows
	IIIA	Infiltration/Inflow Correction	VI	Storm Water
	IIIB	Sewer Replacement/Rehabilitation	VII	Nonpoint Sources (see Table A-3 for totals by subcategory)
	IVA	New Collector Sewers		

† Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-3**

1996 Clean Water Needs Survey<sup>†</sup>  
 Documented Needs for Nonpoint Source SRF-Eligible Projects  
 (January 1996 Dollars in Millions)

Table A-3 summarizes the 1996 EPA assessment of documented needs for the Nonpoint Source (NPS) SRF eligibilities by State. All values are presented in millions of January 1996 dollars.

The documented needs for the SRF-eligible projects represent the capital investment necessary to implement activities in approved State NPS Management Plans under Section 319 and to develop and implement conservation and management plans under Section 320 (National Estuary Program) of the Clean Water Act. These needs have met the established documentation criteria and are eligible for funding under Title VI of the Clean Water Act.

Needs estimates presented in Table A-3 may vary slightly from those presented in Figure 1 and in Tables 1, 2, and 3 due to independent rounding and exclusion of modeled needs.

State	<u>Category VII Needs</u>							Total
	A	B	C	D	E	F	G	
Alabama	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	6	0	0	6
Arizona	22	1	0*	5	0*	0	4	32
Arkansas	0	0	0	0	0	0	0	0
California	0	0	0	0	11	0	0	11
Colorado	1	0*	0	2	0	0	0	3
Connecticut	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0
Dist. of Columbia	0	0	0	72	0	0	0	72
Florida	0	0	0	298	0	0	0	298
Georgia	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0
Illinois	43	0	0	0	0	0	0	43
Indiana	0	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0
Maine	0	0	0	1	0	0	0	1
Maryland	0	0	0	1	105	0	0	106
Massachusetts	0	0	0	1	0	0	0	1
Michigan	0	0	0	0	0	0	0	0
Minnesota	14	10	0	1	1	0	1	27
Mississippi	0	0	0	0*	0	0	0	0*
Missouri	6	15	5	4	450	0	0*	480
Montana	0	0	0	0	7	0	0	7

Table A-3 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Documented Needs for Nonpoint Source SRF-Eligible Projects  
 (January 1996 Dollars in Millions)

State	<u>Category VII Needs</u>							Total
	A	B	C	D	E	F	G	
Nebraska	0	0	0	0*	5	0	0	5
Nevada	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0
New Jersey	0*	0	0	67	4	16	0	87
New Mexico	0	0	0	0	7	0	0	7
New York	12	12	168	1	400	0	0	593
North Carolina	0	0	0	6	0	11	0	17
North Dakota	0	0	0	5	3	0	0	8
Ohio	7	8	1	1	0*	0	0	17
Oklahoma	0	0	0	0	0	0	0	0
Oregon	0	0	0	0*	0*	0	3	3
Pennsylvania	16	16	0	0	0	0	0	32
Rhode Island	0	0	0	2	4	0	0	6
South Carolina	0	0	0	6	0	0	1	7
South Dakota	0	0	0	0	0	0	0	0
Tennessee	13	1	0	0	0	0	0	14
Texas	0	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0	0
Washington	0	0	0	8	0*	5	0	13
West Virginia	0	0	0	0	0	0	0	0
Wisconsin	60	97	0	523	9	0	2	691
Wyoming	0	0	0	0	0	0	0	0
Amer. Samoa	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0
No. Marianas	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0
<b>Total</b>	<b>194</b>	<b>160</b>	<b>174</b>	<b>1,004</b>	<b>1,012</b>	<b>32</b>	<b>11</b>	<b>2,587</b>

Category VII Subcategories:

A	Agriculture (cropland)	E	Ground Water
B	Agriculture (confined animal facilities)	F	Estuaries
C	Silviculture	G	Wetlands
D	Urban Runoff		

† Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-4**

1996 Clean Water Needs Survey  
Modeled Needs for Storm Water  
(January 1996 Dollars in Millions)

Table A-4 summarizes the 1996 EPA assessment of modeled needs estimates, by State, for the Phase I Storm Water Program.

The modeled needs for Storm Water represent the estimated capital investment necessary for municipalities of the nation to meet the requirements of the Phase I Storm Water Program.

Needs estimates presented in Table A-4 may vary slightly from those presented in Figure 1 and in Tables 1 and 3 due to independent rounding.

<b>State</b>	<b>Category VI Modeled Needs</b>	<b>State</b>	<b>Category VI Modeled Needs</b>
Alabama	327	Nevada	38
Alaska	28	New Hampshire	*
Arizona	136	New Jersey	*
Arkansas	36	New Mexico	19
California	1,200	New York	80
Colorado	107	North Carolina	161
Connecticut	10	North Dakota	*
Delaware	43	Ohio	97
Dist. of Columbia	18	Oklahoma	199
Florida	1,158	Oregon	129
Georgia	454	Pennsylvania	46
Hawaii	51	Rhode Island	*
Idaho	9	South Carolina	85
Illinois	9	South Dakota	7
Indiana	110	Tennessee	281
Iowa	33	Texas	895
Kansas	101	Utah	32
Kentucky	71	Vermont	*
Louisiana	172	Virginia	385
Maine	*	Washington	207
Maryland	302	West Virginia	*
Massachusetts	18	Wisconsin	30
Michigan	34	Wyoming	*
Minnesota	25	Amer. Samoa	*
Mississippi	38	Guam	*
Missouri	162	No. Marianas	*
Montana	*	Puerto Rico	*
Nebraska	25	Virgin Islands	*
		<b>Total</b>	<b>7,368</b>

\* States and territories with no municipal separate storm sewer systems regulated under Phase I of the NPDES Storm Water Program.



**Table A-5**

1996 Clean Water Needs Survey  
Modeled Needs for Nonpoint Source Pollution Control  
(Agriculture, Confined Animal Facilities, and Silviculture)  
(January 1996 Dollars in Millions)

Table A-5 summarizes modeled estimates of needs by State for controlling nonpoint source pollution from agricultural land, confined animal facilities, and silviculture.

NPS needs estimates presented in Table A-5 may vary slightly from those presented in Figure 1 and in Tables 1, 3, and 6 due to independent rounding.

State	Agri- cultural Land	Confined Animal Facilities	Silvi- culture	Total	State	Agri- cultural Land	Confined Animal Facilities	Silvi- culture	Total
Alabama	39	21	283	343	Nevada	9	1	0*	10
Alaska	0	0*	134	134	New Hampshire	1	3	19	23
Arizona	208	3	14	225	New Jersey	16	5	2	23
Arkansas	79	31	173	283	New Mexico	46	4	12	62
California	142	92	267	501	New York	53	112	70	235
Colorado	70	13	7	90	North Carolina	49	34	116	199
Connecticut	3	6	5	14	North Dakota	127	18	0*	145
Delaware	4	4	0*	8	Ohio	102	75	20	197
Dist. of Columbia	—	—	—	—	Oklahoma	89	28	64	181
Florida	29	21	106	156	Oregon	218	18	253	489
Georgia	45	32	209	286	Pennsylvania	52	131	65	248
Hawaii	24	3	0	27	Rhode Island	0*	1	0*	1
Idaho	47	15	57	119	South Carolina	19	12	106	137
Illinois	158	84	13	255	South Dakota	142	45	4	191
Indiana	135	66	17	218	Tennessee	50	39	91	180
Iowa	183	205	3	391	Texas	495	87	146	728
Kansas	147	42	1	190	Utah	84	8	2	94
Kentucky	65	47	22	134	Vermont	5	20	20	45
Louisiana	49	22	116	187	Virginia	37	31	90	158
Maine	4	7	131	142	Washington	54	32	284	370
Maryland	16	20	6	42	West Virginia	15	7	15	37
Massachusetts	3	6	7	16	Wisconsin	74	274	75	423
Michigan	53	58	62	173	Wyoming	28	3	11	42
Minnesota	127	144	46	317	Amer. Samoa	—	—	—	—
Mississippi	48	21	245	314	Guam	—	—	—	—
Missouri	139	85	55	279	No. Marianas	—	—	—	—
Montana	113	7	68	188	Puerto Rico	—	—	—	—
Nebraska	132	67	1	200	Virgin Islands	—	—	—	—
<b>Total</b>						<b>3,827</b>	<b>2,110</b>	<b>3,513</b>	<b>9,450</b>

\* Estimate is less than \$0.5 million.

— Not modeled (Puerto Rico and the territories were not modeled because of the lack of information on the cost of nonpoint source controls in these unique climates).

**Table A-6**

1996 Clean Water Needs Survey<sup>†</sup>  
Comparison of Small Community Facilities and Needs to the Nation  
(January 1996 Dollars in Millions)

Table A-6 provides a summary of all publicly owned small community wastewater collection and treatment facilities identified in the 1996 CWNS by State, and the capital investment needed to satisfy the design year (2016) population served by these facilities, as well as any associated Separate State Estimates (SSEs).

The facilities summary presents the total number of facilities that will serve small communities when all documented needs are met, the total number of these facilities reporting documented needs, and their respective percentage of the relative total facilities within each State. The needs summary presents the total documented needs (Categories I - VII) for these small community wastewater treatment and collection facilities, and their reported SSEs. The small community percentages are derived from the total documented and SSEs needs reported for each State, including needs for SRF-eligible projects unassociated with treatment and collection facilities.

Needs estimates presented in Table A-6 may vary slightly from those presented in Figures 6 and 9 due to independent rounding.

State	<u>Facilities</u>				<u>Needs</u>			
	Small Community Percent of Total Facilities When All Documented Needs Are Met		Small Community Percent of Total Facilities with Documented Needs		Small Community Documented Needs as Percent of Total Documented Needs		Small Community Separate State Estimates as Percent of Total SSEs	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Alabama	357	71%	233	81%	253	32%	0	0%
Alaska	165	91%	135	94%	257	53%	12	48%
Arizona	325	61%	75	36%	192	9%	2	1%
Arkansas	676	87%	151	86%	145	55%	423	59%
California	526	54%	182	52%	340	3%	78	3%
Colorado	269	64%	107	68%	124	27%	1	2%
Connecticut	92	42%	25	25%	79	4%	0	0%
Delaware	75	71%	19	53%	37	17%	53	41%
Dist. of Columbia	0	0%	0	0%	0	0%	0	0%
Florida	96	20%	25	12%	49	1%	0	0%
Georgia	582	73%	88	49%	84	5%	33	6%
Hawaii	11	32%	4	24%	17	2%	103	8%
Idaho	210	85%	55	66%	74	24%	126	77%
Illinois	811	63%	358	55%	616	6%	17	2%
Indiana	396	75%	281	73%	647	13%	72	8%
Iowa	897	91%	63	63%	71	8%	1	4%
Kansas	614	89%	183	75%	135	10%	17	27%
Kentucky	359	73%	219	70%	377	16%	171	50%
Louisiana	439	75%	201	78%	245	34%	117	22%
Maine	164	76%	67	61%	205	27%	74	10%
Maryland	212	49%	112	40%	96	7%	0*	0%
Massachusetts	96	34%	46	25%	169	5%	205	9%
Michigan	512	65%	126	59%	294	6%	5	19%
Minnesota	676	82%	230	77%	254	31%	63	39%
Mississippi	640	87%	298	84%	309	39%	58	25%
Missouri	788	70%	218	54%	244	9%	178	16%
Montana	196	84%	52	70%	64	54%	24	69%

Table A-6 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Comparison of Small Community Facilities and Needs to the Nation  
 (January 1996 Dollars in Millions)

State	<u>Facilities</u>				<u>Needs</u>			
	Small Community Percent of Total Facilities When All Documented Needs Are Met		Small Community Percent of Total Facilities with Documented Needs		Small Community Documented Needs as Percent of Total Documented Needs		Small Community Separate State Estimates as Percent of Total SSEs	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Nebraska	480	91%	77	72%	41	7%	7	4%
Nevada	55	66%	18	64%	14	39%	17	3%
New Hampshire	65	51%	39	45%	60	8%	72	17%
New Jersey	359	52%	180	45%	492	7%	283	26%
New Mexico	88	66%	25	60%	65	40%	0	0%
New York	1,004	73%	388	65%	699	4%	653	24%
North Carolina	439	53%	316	67%	781	20%	152	4%
North Dakota	372	97%	56	85%	20	22%	0	0%
Ohio	959	70%	426	71%	1,499	21%	288	29%
Oklahoma	449	83%	92	74%	74	23%	23	14%
Oregon	182	67%	42	42%	93	5%	3	14%
Pennsylvania	1,624	75%	596	76%	1,430	24%	906	27%
Rhode Island	4	11%	2	8%	12	1%	0	0%
South Carolina	184	51%	63	35%	82	5%	25	36%
South Dakota	346	96%	70	84%	40	31%	3	33%
Tennessee	247	62%	77	50%	107	12%	204	21%
Texas	1,377	68%	515	67%	589	12%	296	16%
Utah	242	54%	19	35%	36	12%	71	9%
Vermont	96	76%	41	65%	115	36%	41	56%
Virginia	378	68%	202	66%	589	15%	256	62%
Washington	247	63%	82	59%	121	10%	15	2%
West Virginia	632	90%	331	88%	950	58%	931	91%
Wisconsin	868	72%	436	64%	555	27%	53	7%
Wyoming	88	62%	16	53%	8	21%	23	32%
Amer. Samoa	0	0%	0	0%	0	0%	0	0%
Guam	3	43%	0	0%	0	0%	0	0%
No. Marianas	2	40%	2	40%	3	6%	0	0%
Puerto Rico	0	0%	0	0%	0	0%	0	0%
Virgin Islands	9	75%	9	75%	9	10%	0	0%
<b>Total</b>	<b>20,983</b>	<b>71%</b>	<b>7,673</b>	<b>63%</b>	<b>13,861</b>	<b>11%</b>	<b>6,155</b>	<b>18%</b>

<sup>†</sup> Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-7**

1996 Clean Water Needs Survey<sup>†</sup>  
 Comparison of Small Community Facilities and Needs to the Nation  
 (Facilities Serving Populations from 3,500 to 10,000 Persons)  
 (January 1996 Dollars in Millions)

Table A-7 provides the subset of Table A-6 data for the needs for small community facilities estimated to be serving populations in the range of 3,500 to 10,000 persons when all documented needs are met.

State	<u>Facilities</u>				<u>Needs</u>			
	Small Community Percent of Total Facilities When All Documented Needs Are Met		Small Community Percent of Total Facilities with Documented Needs		Small Community Documented Needs as Percent of Total Documented Needs		Small Community Separate State Estimates as Percent of Total SSEs	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Alabama	48	10%	25	9%	43	5%	0	0%
Alaska	6	3%	5	3%	4	1%	0	0%
Arizona	44	8%	24	12%	126	6%	0*	0%
Arkansas	56	7%	24	14%	34	13%	86	12%
California	123	13%	44	13%	113	1%	38	1%
Colorado	23	5%	5	3%	9	2%	0	0%
Connecticut	43	20%	12	12%	51	3%	0	0%
Delaware	12	11%	6	17%	14	6%	16	12%
Dist. of Columbia	0	0%	0	0%	0	0%	0	0%
Florida	35	7%	11	5%	24	0%	0	0%
Georgia	94	12%	36	20%	41	3%	10	2%
Hawaii	8	24%	3	18%	17	2%	98	7%
Idaho	22	9%	13	16%	19	6%	106	65%
Illinois	131	10%	61	9%	203	2%	3	0%
Indiana	41	8%	29	8%	213	4%	20	2%
Iowa	41	4%	2	2%	2	0%	0	0%
Kansas	31	5%	22	9%	39	3%	1	2%
Kentucky	60	12%	47	15%	128	6%	16	5%
Louisiana	81	14%	30	12%	79	11%	36	7%
Maine	42	19%	19	17%	94	12%	54	7%
Maryland	24	6%	7	2%	24	2%	0	0%
Massachusetts	53	19%	33	18%	129	3%	128	5%
Michigan	118	15%	17	8%	46	1%	0	0%
Minnesota	63	8%	19	6%	45	6%	27	17%
Mississippi	54	7%	38	11%	82	10%	26	11%
Missouri	68	6%	20	5%	52	2%	31	3%
Montana	10	4%	3	4%	6	5%	0	0%

Table A-7 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Comparison of Small Community Facilities and Needs to the Nation  
 (Facilities Serving Populations from 3,500 to 10,000 Persons)  
 (January 1996 Dollars in Millions)

State	<u>Facilities</u>				<u>Needs</u>			
	Small Community Percent of Total Facilities When All Documented Needs Are Met		Small Community Percent of Total Facilities with Documented Needs		Small Community Documented Needs as Percent of Total Documented Needs		Small Community Separate State Estimates as Percent of Total SSEs	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Nebraska	21	4%	11	10%	13	2%	2	1%
Nevada	6	7%	1	4%	1	3%	2	0%
New Hampshire	19	15%	16	18%	29	4%	25	6%
New Jersey	188	27%	102	25%	316	5%	194	18%
New Mexico	10	7%	6	14%	16	10%	0	0%
New York	254	19%	91	15%	193	1%	210	8%
North Carolina	99	12%	78	16%	304	8%	63	2%
North Dakota	11	3%	6	9%	1	1%	0	0%
Ohio	156	11%	59	10%	702	10%	140	14%
Oklahoma	59	11%	15	12%	20	6%	4	3%
Oregon	25	9%	11	11%	36	2%	3	14%
Pennsylvania	364	17%	132	17%	491	8%	233	7%
Rhode Island	3	8%	1	4%	11	1%	0	0%
South Carolina	25	7%	11	6%	18	1%	8	11%
South Dakota	11	3%	5	6%	4	3%	2	22%
Tennessee	49	12%	21	14%	44	5%	47	5%
Texas	308	15%	117	15%	220	5%	173	10%
Utah	18	4%	3	6%	7	2%	21	3%
Vermont	19	15%	11	17%	53	17%	20	27%
Virginia	64	12%	45	15%	192	5%	51	12%
Washington	47	12%	13	9%	28	2%	0	0%
West Virginia	34	5%	25	7%	229	14%	112	11%
Wisconsin	48	4%	26	4%	62	3%	16	2%
Wyoming	7	5%	5	17%	3	8%	3	4%
Amer. Samoa	0	0%	0	0%	0	0%	0	0%
Guam	2	29%	0	0%	0	0%	0	0%
No. Marianas	0	0%	0	0%	0	0%	0	0%
Puerto Rico	0	0%	0	0%	0	0%	0	0%
Virgin Islands	1	8%	1	8%	1	1%	0	0%
<b>Total</b>	<b>3,179</b>	<b>11%</b>	<b>1,367</b>	<b>11%</b>	<b>4,631</b>	<b>4%</b>	<b>2,025</b>	<b>6%</b>

<sup>†</sup> Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-8**

1996 Clean Water Needs Survey<sup>†</sup>  
 Comparison of Small Community Facilities and Needs to the Nation  
 (Facilities Serving Populations from 1,000 to 3,500 Persons)  
 (January 1996 Dollars in Millions)

Table A-8 provides the subset of Table A-6 data for the needs for small community facilities estimated to be serving populations in the range of 1,000 to 3,500 persons when all documented needs are met.

State	<u>Facilities</u>				<u>Needs</u>			
	Small Community Percent of Total Facilities When All Documented Needs Are Met		Small Community Percent of Total Facilities with Documented Needs		Small Community Documented Needs as Percent of Total Documented Needs		Small Community Separate State Estimates as Percent of Total SSEs	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Alabama	152	30%	89	31%	110	14%	0	0%
Alaska	11	6%	6	4%	4	1%	0	0%
Arizona	60	11%	25	12%	45	2%	1	1%
Arkansas	155	20%	61	35%	61	23%	150	21%
California	215	22%	76	22%	170	1%	39	1%
Colorado	102	24%	42	27%	85	19%	0	0%
Connecticut	36	17%	7	7%	16	1%	0	0%
Delaware	20	19%	7	19%	14	6%	12	9%
Dist. of Columbia	0	0%	0	0%	0	0%	0	0%
Florida	50	11%	12	6%	23	0%	0	0%
Georgia	176	22%	34	19%	31	2%	14	3%
Hawaii	3	9%	1	6%	0*	0%	5	0%
Idaho	59	24%	20	24%	28	9%	7	4%
Illinois	334	26%	140	22%	215	2%	12	1%
Indiana	189	36%	143	37%	351	7%	43	5%
Iowa	190	19%	15	15%	45	5%	1	4%
Kansas	165	24%	78	32%	67	5%	14	22%
Kentucky	127	26%	89	28%	153	7%	63	18%
Louisiana	175	30%	75	29%	87	12%	65	12%
Maine	79	37%	35	32%	99	13%	20	3%
Maryland	48	11%	12	4%	13	1%	0	0%
Massachusetts	29	10%	9	5%	32	1%	46	2%
Michigan	258	33%	69	32%	179	4%	3	12%
Minnesota	190	23%	50	17%	77	10%	24	15%
Mississippi	144	20%	83	23%	108	14%	26	11%
Missouri	183	16%	57	14%	77	3%	6	1%
Montana	50	21%	22	30%	35	30%	3	9%

Table A-8 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Comparison of Small Community Facilities and Needs to the Nation  
 (Facilities Serving Populations from 1,000 to 3,500 Persons)  
 (January 1996 Dollars in Millions)

State	<u>Facilities</u>				<u>Needs</u>			
	Small Community Percent of Total Facilities When All Documented Needs Are Met		Small Community Percent of Total Facilities with Documented Needs		Small Community Documented Needs as Percent of Total Documented Needs		Small Community Separate State Estimates as Percent of Total SSEs	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Nebraska	117	22%	24	22%	14	3%	4	2%
Nevada	19	23%	6	21%	5	14%	14	3%
New Hampshire	25	20%	16	18%	25	3%	44	10%
New Jersey	135	20%	60	15%	158	2%	82	8%
New Mexico	34	25%	8	19%	7	4%	0	0%
New York	414	30%	162	27%	316	2%	246	9%
North Carolina	188	23%	135	28%	305	8%	64	2%
North Dakota	62	16%	27	41%	15	16%	0	0%
Ohio	337	25%	169	28%	544	7%	97	10%
Oklahoma	170	31%	44	35%	37	12%	8	5%
Oregon	68	25%	15	15%	33	2%	0	0%
Pennsylvania	727	34%	263	34%	693	11%	470	14%
Rhode Island	0	0%	0	0%	0	0%	0	0%
South Carolina	87	24%	40	22%	56	4%	16	23%
South Dakota	61	17%	25	30%	18	14%	1	11%
Tennessee	114	28%	41	27%	52	6%	127	13%
Texas	598	30%	208	27%	230	5%	64	4%
Utah	53	12%	7	13%	19	6%	40	5%
Vermont	50	40%	23	37%	53	17%	21	29%
Virginia	184	33%	93	30%	297	8%	134	33%
Washington	111	28%	34	24%	56	5%	9	1%
West Virginia	187	27%	98	26%	372	23%	387	38%
Wisconsin	267	22%	129	19%	272	13%	21	3%
Wyoming	24	17%	7	23%	3	8%	9	13%
Amer. Samoa	0	0%	0	0%	0	0%	0	0%
Guam	1	14%	0	0%	0	0%	0	0%
No. Marianas	2	40%	2	40%	3	6%	0	0%
Puerto Rico	0	0%	0	0%	0	0%	0	0%
Virgin Islands	5	42%	5	42%	7	8%	0	0%
<b>Total</b>	<b>7,240</b>	<b>24%</b>	<b>2,898</b>	<b>24%</b>	<b>5,715</b>	<b>5%</b>	<b>2,412</b>	<b>7%</b>

<sup>†</sup> Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-9**

1996 Clean Water Needs Survey<sup>†</sup>  
 Comparison of Small Community Facilities and Needs to the Nation  
 (Facilities Serving Populations Under 1,000 Persons)  
 (January 1996 Dollars in Millions)

Table A-9 provides the subset of Table A-6 data for the needs for small community facilities estimated to be serving populations under 1,000 persons when all documented needs are met.

State	<u>Facilities</u>				<u>Needs</u>			
	Small Community Percent of Total Facilities When All Documented Needs Are Met		Small Community Percent of Total Facilities with Documented Needs		Small Community Documented Needs as Percent of Total Documented Needs		Small Community Separate State Estimates as Percent of Total SSEs	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Alabama	157	31%	119	41%	100	13%	0	0%
Alaska	148	82%	124	86%	249	51%	12	48%
Arizona	221	41%	26	13%	21	1%	1	1%
Arkansas	465	60%	66	38%	50	19%	187	26%
California	188	19%	62	18%	57	0%	1	0%
Colorado	144	34%	60	38%	30	7%	1	2%
Connecticut	13	6%	6	6%	12	1%	0	0%
Delaware	43	41%	6	17%	9	4%	25	19%
Dist. of Columbia	0	0%	0	0%	0	0%	0	0%
Florida	11	2%	2	1%	2	0%	0	0%
Georgia	312	39%	18	10%	12	1%	9	2%
Hawaii	0	0%	0	0%	0	0%	0	0%
Idaho	129	52%	22	27%	27	9%	13	8%
Illinois	346	27%	157	24%	198	2%	2	0%
Indiana	166	31%	109	28%	83	2%	9	1%
Iowa	666	67%	46	46%	24	3%	0*	0%
Kansas	418	61%	83	34%	29	2%	2	3%
Kentucky	172	35%	83	26%	96	4%	92	27%
Louisiana	183	31%	96	37%	79	11%	16	3%
Maine	43	20%	13	12%	12	2%	0	0%
Maryland	140	32%	93	33%	59	4%	0*	0%
Massachusetts	14	5%	4	2%	8	0%	31	1%
Michigan	136	17%	40	19%	69	1%	2	8%
Minnesota	423	51%	161	54%	132	16%	12	7%
Mississippi	442	60%	177	50%	119	15%	6	3%
Missouri	537	48%	141	35%	115	4%	141	13%
Montana	136	58%	27	36%	23	19%	21	60%



Table A-9 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Comparison of Small Community Facilities and Needs to the Nation  
 (Facilities Serving Populations Under 1,000 Persons)  
 (January 1996 Dollars in Millions)

State	<u>Facilities</u>				<u>Needs</u>			
	Small Community Percent of Total Facilities When All Documented Needs Are Met		Small Community Percent of Total Facilities with Documented Needs		Small Community Documented Needs as Percent of Total Documented Needs		Small Community Separate State Estimates as Percent of Total SSEs	
	Number	Percent	Number	Percent	\$ Million	Percent	\$ Million	Percent
Nebraska	342	65%	42	39%	14	3%	1	1%
Nevada	30	36%	11	39%	8	22%	1	0%
New Hampshire	21	17%	7	8%	6	1%	3	1%
New Jersey	36	5%	18	4%	18	0%	7	1%
New Mexico	44	33%	11	26%	42	26%	0	0%
New York	336	24%	135	23%	190	1%	197	7%
North Carolina	152	18%	103	22%	172	4%	25	1%
North Dakota	299	78%	23	35%	4	4%	0	0%
Ohio	466	34%	198	33%	253	3%	51	5%
Oklahoma	220	41%	33	26%	17	5%	11	7%
Oregon	89	33%	16	16%	24	1%	0	0%
Pennsylvania	533	25%	201	26%	246	4%	203	6%
Rhode Island	1	3%	1	4%	1	0%	0	0%
South Carolina	72	20%	12	7%	8	1%	1	1%
South Dakota	274	76%	40	48%	18	14%	0	0%
Tennessee	84	21%	15	10%	11	1%	30	3%
Texas	471	23%	190	25%	139	3%	59	3%
Utah	171	38%	9	17%	10	3%	10	1%
Vermont	27	21%	7	11%	9	3%	0	0%
Virginia	130	23%	64	21%	100	3%	71	17%
Washington	89	23%	35	25%	37	3%	6	1%
West Virginia	411	59%	208	55%	349	21%	432	42%
Wisconsin	553	46%	281	42%	221	11%	16	2%
Wyoming	57	40%	4	13%	2	5%	11	15%
Amer. Samoa	0	0%	0	0%	0	0%	0	0%
Guam	0	0%	0	0%	0	0%	0	0%
No. Marianas	0	0%	0	0%	0	0%	0	0%
Puerto Rico	0	0%	0	0%	0	0%	0	0%
Virgin Islands	3	25%	3	25%	1	1%	0	0%
<b>Total</b>	<b>10,564</b>	<b>36%</b>	<b>3,408</b>	<b>28%</b>	<b>3,515</b>	<b>3%</b>	<b>1,718</b>	<b>5%</b>

<sup>†</sup> Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-10**

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Small Community Documented Needs for Publicly Owned Wastewater Treatment Facilities  
 And Other SRF Eligibilities  
 (January 1996 Dollars in Millions)

Table A-10 summarizes the 1996 EPA assessment of documented design year needs for small communities by State. The assessment includes needs for traditional eligibilities (Categories I-V), storm water control (Category VI), and nonpoint sources (Category VII) to satisfy the design year (2016) population living in small communities. The small community needs shown are derived by EPA from the total documented design year needs using criteria as defined in the report section, *"What Are the Needs for Small Communities?"*. All values are presented in millions of January 1996 dollars.

These small community design year needs have met the established documentation criteria and represent the capital investment necessary to build all publicly owned wastewater treatment facilities needed to serve the estimated design year population of small communities. These are the funds necessary to provide adequate wastewater treatment systems and storm water control in compliance with the Clean Water Act for those small communities that could document their needs.

State	<u>Category of Need</u>										Total (I - V)
	Total	I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Alabama	253	50	29	1	5	116	52	0	0	0	253
Alaska	257	247	0	0	1	6	0	0	0	3	254
Arizona	192	79	44	0*	12	46	11	0	0	0	192
Arkansas	145	63	13	2	0*	41	26	0	0	0	145
California	340	180	6	11	3	96	43	0	1	0	339
Colorado	124	90	20	2	4	0	8	0	0	0	124
Connecticut	79	15	1	1	0	36	26	0	0	0	79
Delaware	37	5	0	0	0*	20	12	0	0	0	37
Dist. of Columbia	0	0	0	0	0	0	0	0	0	0	0
Florida	49	15	4	6	0	19	5	0	0	0	49
Georgia	84	28	18	5	2	13	18	0	0	0	84
Hawaii	17	11	0	0	2	4	0	0	0	0	17
Idaho	74	38	0	0*	5	14	17	0	0	0	74
Illinois	616	161	10	16	62	143	53	171	0	0	616
Indiana	647	78	39	12	7	96	50	365	0	0	647
Iowa	71	15	0*	0*	2	8	2	44	0	0	71
Kansas	135	61	9	21	4	18	22	0	0	0	135
Kentucky	377	85	14	15	9	132	78	44	0	0	377
Louisiana	245	77	24	2	2	96	44	0	0	0	245
Maine	205	50	2	6	5	33	27	82	0	0	205
Maryland	96	45	5	2	2	14	16	12	0	0	96
Massachusetts	169	54	13	3	0*	74	24	0	0	1	168
Michigan	294	106	3	2	3	127	30	23	0	0	294
Minnesota	254	140	8	14	12	46	14	0	0	20	234
Mississippi	309	79	11	35	13	100	71	0	0	0*	309
Missouri	244	61	0	5	7	102	41	28	0	0	244
Montana	64	30	4	2	9	14	5	0	0*	0	64

**Table A-10 — Continued**

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Small Community Documented Needs for Publicly Owned Wastewater Treatment Facilities  
 And Other SRF Eligibilities  
 (January 1996 Dollars in Millions)

State	Total	Category of Need									Total (I - V)
		I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Nebraska	41	33	3	1	0	2	2	0	0*	0	41
Nevada	14	5	0	2	2	2	3	0	0	0	14
New Hampshire	60	14	3	3	1	26	13	0	0	0	60
New Jersey	492	172	34	31	33	139	49	14	0	20	472
New Mexico	65	16	16	1	2	28	2	0	0	0	65
New York	699	241	21	30	19	184	89	99	0	16	683
North Carolina	781	59	136	32	23	338	186	0	1	6	774
North Dakota	20	10	0	0	8	0	1	0	0*	1	19
Ohio	1,499	183	48	299	7	222	120	620	0	0	1,499
Oklahoma	74	27	17	5	1	10	14	0	0	0	74
Oregon	93	45	16	5	6	14	7	0	0	0*	93
Pennsylvania	1,430	350	51	9	9	573	118	320	0	0	1,430
Rhode Island	12	0*	0	0	0	12	0	0	0	0	12
South Carolina	82	34	4	1	2	21	20	0	0	0	82
South Dakota	40	22	1	0*	2	4	3	0*	8	0	32
Tennessee	107	19	5	16	12	28	27	0	0	0	107
Texas	589	234	50	12	5	166	122	0	0	0	589
Utah	36	11	0	0	2	19	4	0	0	0	36
Vermont	115	14	21	4	0*	30	9	37	0	0	115
Virginia	589	116	52	28	1	246	146	0	0	0	589
Washington	121	53	1	14	4	21	23	0	4	1	116
West Virginia	950	181	14	19	17	250	193	276	0	0	950
Wisconsin	555	211	42	8	11	222	61	0	0	0	555
Wyoming	8	6	0	0	1	0*	1	0	0	0	8
Amer. Samoa	0	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0	0
No. Marianas	3	3	0	0	0	0*	0*	0	0	0	3
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands	9	4	0	0*	5	0	0	0	0	0	9
<b>Total</b>	<b>13,861</b>	<b>3,926</b>	<b>812</b>	<b>683</b>	<b>344</b>	<b>3,971</b>	<b>1,908</b>	<b>2,135</b>	<b>14</b>	<b>68</b>	<b>13,779</b>

Categories:	I	Secondary Treatment	IVB	New Interceptor Sewers
	II	Advanced Treatment	V	Combined Sewer Overflows
	IIIA	Infiltration/Inflow Correction	VI	Storm Water
	IIIB	Sewer Replacement/Rehabilitation	VII	Nonpoint Sources
	IVA	New Collector Sewers		

† Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-11**

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Small Community Documented Needs for Publicly Owned Wastewater Treatment Facilities  
 And Other SRF Eligibilities (Facilities Serving Populations from 3,500 to 10,000 Persons)  
 (January 1996 Dollars in Millions)

Table A-11 provides the subset of Table A-10 data for the needs for small community facilities estimated to be serving populations in the range of 3,500 to 10,000 persons.

State	Total	<u>Category of Need</u>									Total (I - V)
		I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Alabama	43	10	6	0*	2	15	10	0	0	0	43
Alaska	4	1	0	0	1	2	0	0	0	0	4
Arizona	126	55	41	0	8	17	5	0	0	0	126
Arkansas	34	21	7	1	0*	2	3	0	0	0	34
California	113	41	6	0*	2	49	15	0	0	0	113
Colorado	9	7	0	2	0	0	0	0	0	0	9
Connecticut	51	11	1	0	0	22	17	0	0	0	51
Delaware	14	2	0	0	0*	9	3	0	0	0	14
Dist. of Columbia	0	0	0	0	0	0	0	0	0	0	0
Florida	24	11	2	1	0	6	4	0	0	0	24
Georgia	41	11	8	4	2	6	10	0	0	0	41
Hawaii	17	11	0	0	2	4	0	0	0	0	17
Idaho	19	9	0	0*	1	4	5	0	0	0	19
Illinois	203	16	1	8	25	19	10	124	0	0	203
Indiana	213	16	15	2	1	28	10	141	0	0	213
Iowa	2	2	0*	0	0	0	0	0	0	0	2
Kansas	39	12	5	2	3	6	11	0	0	0	39
Kentucky	128	21	4	9	5	47	32	10	0	0	128
Louisiana	79	22	19	2	1	25	10	0	0	0	79
Maine	94	10	2	3	4	11	5	59	0	0	94
Maryland	24	3	5	1	0	1	4	10	0	0	24
Massachusetts	129	40	11	3	0*	59	16	0	0	0	129
Michigan	46	18	0*	1	2	19	2	4	0	0	46
Minnesota	45	25	1	6	6	7	0	0	0	0	45
Mississippi	82	19	2	12	3	20	26	0	0	0*	82
Missouri	52	7	0	2	3	4	8	28	0	0	52
Montana	6	0*	2	0	2	1	1	0	0*	0	6

Table A-11 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Small Community Documented Needs for Publicly Owned Wastewater Treatment Facilities  
 And Other SRF Eligibilities (Facilities Serving Populations from 3,500 to 10,000 Persons)  
 (January 1996 Dollars in Millions)

State	Total	Category of Need									Total (I - V)
		I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Nebraska	13	10	3	0	0	0	0*	0	0*	0	13
Nevada	1	0	0	0	0	0*	1	0	0	0	1
New Hampshire	29	6	3	1	0	9	10	0	0	0	29
New Jersey	316	108	12	20	19	92	42	8	0	15	301
New Mexico	16	7	0	1	0*	7	1	0	0	0	16
New York	193	34	9	8	5	43	23	65	0	6	187
North Carolina	304	12	76	18	14	111	73	0	0	0	304
North Dakota	1	1	0	0	0*	0	0	0	0	0	1
Ohio	702	23	10	287	4	36	25	317	0	0	702
Oklahoma	20	4	7	3	1	0*	5	0	0	0	20
Oregon	36	19	8	2	2	4	1	0	0	0	36
Pennsylvania	491	109	31	2	6	148	40	155	0	0	491
Rhode Island	11	0	0	0	0	11	0	0	0	0	11
South Carolina	18	6	4	0*	0	4	4	0	0	0	18
South Dakota	4	1	0	0*	0*	0*	2	0	1	0	3
Tennessee	44	8	2	6	5	5	18	0	0	0	44
Texas	220	93	33	5	1	48	40	0	0	0	220
Utah	7	2	0	0	0	4	1	0	0	0	7
Vermont	53	4	9	1	0*	24	4	11	0	0	53
Virginia	192	34	3	15	0	73	67	0	0	0	192
Washington	28	12	1	3	0	5	3	0	4	0	24
West Virginia	229	26	4	6	4	32	32	125	0	0	229
Wisconsin	62	34	12	3	1	7	5	0	0	0	62
Wyoming	3	2	0	0	1	0	0	0	0	0	3
Amer. Samoa	0	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0	0
No. Marianas	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands	1	0	0	0	1	0	0	0	0	0	1
<b>Total</b>	<b>4,631</b>	<b>956</b>	<b>365</b>	<b>440</b>	<b>137</b>	<b>1,046</b>	<b>604</b>	<b>1,057</b>	<b>5</b>	<b>21</b>	<b>4,605</b>

Categories:	I	Secondary Treatment	IVB	New Interceptor Sewers
	II	Advanced Treatment	V	Combined Sewer Overflows
	IIIA	Infiltration/Inflow Correction	VI	Storm Water
	IIIB	Sewer Replacement/Rehabilitation	VII	Nonpoint Sources
	IVA	New Collector Sewers		

<sup>†</sup> Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-12**

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Small Community Documented Needs for Publicly Owned Wastewater Treatment Facilities  
 And Other SRF Eligibilities (Facilities Serving Populations from 1,000 to 3,500 Persons)  
 (January 1996 Dollars in Millions)

Table A-12 provides the subset of Table A-10 data for the needs for small community facilities estimated to be serving populations in the range of 1,000 to 3,500 persons.

State	Total	<u>Category of Need</u>									Total (I - V)
		I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Alabama	110	18	15	1	3	52	21	0	0	0	110
Alaska	4	2	0	0	0	0	0	0	0	2	2
Arizona	45	16	3	0*	4	17	5	0	0	0	45
Arkansas	61	27	4	1	0*	18	11	0	0	0	61
California	170	110	0*	9	1	30	19	0	1	0	169
Colorado	85	60	19	0*	3	0	3	0	0	0	85
Connecticut	16	2	0	1	0	8	5	0	0	0	16
Delaware	14	2	0	0	0	7	5	0	0	0	14
Dist. of Columbia	0	0	0	0	0	0	0	0	0	0	0
Florida	23	4	2	5	0	11	1	0	0	0	23
Georgia	31	12	7	1	0	5	6	0	0	0	31
Hawaii	0*	0*	0	0	0	0	0	0	0	0	0*
Idaho	28	14	0	0*	2	5	7	0	0	0	28
Illinois	215	54	9	7	31	53	21	40	0	0	215
Indiana	351	43	20	10	4	40	26	208	0	0	351
Iowa	45	4	0	0*	0*	1	1	39	0	0	45
Kansas	67	32	4	18	1	3	9	0	0	0	67
Kentucky	153	36	5	5	3	45	25	34	0	0	153
Louisiana	87	25	5	0*	1	37	19	0	0	0	87
Maine	99	34	0*	3	1	19	19	23	0	0	99
Maryland	13	9	0	1	2	1	0*	0	0	0	13
Massachusetts	32	10	0*	0*	0	14	8	0	0	0	32
Michigan	179	58	1	1	1	77	22	19	0	0	179
Minnesota	77	48	4	4	5	10	5	0	0	1	76
Mississippi	108	25	7	15	7	31	23	0	0	0	108
Missouri	77	21	0	2	3	39	12	0	0	0	77
Montana	35	18	2	2	2	8	3	0	0	0	35

Table A-12 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Small Community Documented Needs for Publicly Owned Wastewater Treatment Facilities  
 And Other SRF Eligibilities (Facilities Serving Populations from 1,000 to 3,500 Persons)  
 (January 1996 Dollars in Millions)

State	Total	Category of Need									Total (I - V)
		I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Nebraska	14	13	0*	1	0	0	0*	0	0*	0	14
Nevada	5	2	0	1	0	1	1	0	0	0	5
New Hampshire	25	4	0	2	1	16	2	0	0	0	25
New Jersey	158	60	21	10	12	41	5	6	0	3	155
New Mexico	7	4	0	0	2	1	0	0	0	0	7
New York	316	122	6	17	13	88	27	34	0	9	307
North Carolina	305	28	36	11	9	146	68	0	1	6	298
North Dakota	15	6	0	0	7	0	1	0	0	1	14
Ohio	544	89	24	11	3	81	49	287	0	0	544
Oklahoma	37	14	10	2	0*	6	5	0	0	0	37
Oregon	33	18	4	2	1	6	2	0	0	0	33
Pennsylvania	693	168	14	7	3	300	54	147	0	0	693
Rhode Island	0	0	0	0	0	0	0	0	0	0	0
South Carolina	56	24	0*	1	2	14	15	0	0	0	56
South Dakota	18	12	0	0	1	1	1	0	3	0	15
Tennessee	52	9	3	9	5	18	8	0	0	0	52
Texas	230	91	14	6	4	67	48	0	0	0	230
Utah	19	6	0	0	2	9	2	0	0	0	19
Vermont	53	8	11	3	0*	3	2	26	0	0	53
Virginia	297	55	40	11	1	135	55	0	0	0	297
Washington	56	22	0	8	0*	11	15	0	0*	0*	56
West Virginia	372	45	3	10	12	87	83	132	0	0	372
Wisconsin	272	98	22	3	7	112	30	0	0	0	272
Wyoming	3	2	0	0	0*	0*	1	0	0	0	3
Amer. Samoa	0	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0	0
No. Marianas	3	3	0	0	0	0*	0*	0	0	0	3
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands	7	4	0	0*	3	0	0	0	0	0	7
<b>Total</b>	<b>5,715</b>	<b>1,591</b>	<b>315</b>	<b>201</b>	<b>162</b>	<b>1,674</b>	<b>750</b>	<b>995</b>	<b>5</b>	<b>22</b>	<b>5,688</b>

Categories:	I	Secondary Treatment	IVB	New Interceptor Sewers
	II	Advanced Treatment	V	Combined Sewer Overflows
	IIIA	Infiltration/Inflow Correction	VI	Storm Water
	IIIB	Sewer Replacement/Rehabilitation	VII	Nonpoint Sources
	IVA	New Collector Sewers		

† Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-13**

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Small Community Documented Needs for Publicly Owned Wastewater Treatment Facilities  
 And Other SRF Eligibilities (Facilities Serving Populations under 1,000 Persons)  
 (January 1996 Dollars in Millions)

Table A-13 provides the subset of Table A-10 data for the needs for small community facilities estimated to be serving populations of less than 1,000 persons.

State	Total	<u>Category of Need</u>									Total (I - V)
		I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Alabama	100	22	8	0*	0*	49	21	0	0	0	100
Alaska	249	244	0	0	0	4	0	0	0	1	248
Arizona	21	8	0*	0	0*	12	1	0	0	0	21
Arkansas	50	15	2	0	0	21	12	0	0	0	50
California	57	29	0*	2	0*	17	9	0	0	0	57
Colorado	30	23	1	0	1	0	5	0	0	0	30
Connecticut	12	2	0*	0	0	6	4	0	0	0	12
Delaware	9	1	0	0	0	4	4	0	0	0	9
Dist. of Columbia	0	0	0	0	0	0	0	0	0	0	0
Florida	2	0*	0*	0	0	2	0*	0	0	0	2
Georgia	12	5	3	0*	0	2	2	0	0	0	12
Hawaii	0	0	0	0	0	0	0	0	0	0	0
Idaho	27	15	0	0	2	5	5	0	0	0	27
Illinois	198	91	0*	1	6	71	22	7	0	0	198
Indiana	83	19	4	0*	2	28	14	16	0	0	83
Iowa	24	9	0	0*	2	7	1	5	0	0	24
Kansas	29	17	0*	1	0*	9	2	0	0	0	29
Kentucky	96	28	5	1	1	40	21	0	0	0	96
Louisiana	79	30	0*	0*	0*	34	15	0	0	0	79
Maine	12	6	0*	0*	0	3	3	0	0	0	12
Maryland	59	33	0*	0*	0	12	12	2	0	0	59
Massachusetts	8	4	2	0	0	1	0	0	0	1	7
Michigan	69	30	2	0*	0	31	6	0	0	0	69
Minnesota	132	67	3	4	1	29	9	0	0	19	113
Mississippi	119	35	2	8	3	49	22	0	0	0	119
Missouri	115	33	0	1	1	59	21	0	0	0	115
Montana	23	12	0	0*	5	5	1	0	0*	0	23



Table A-13 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Total Small Community Documented Needs for Publicly Owned Wastewater Treatment Facilities  
 And Other SRF Eligibilities (Facilities Serving Populations under 1,000 Persons)  
 (January 1996 Dollars in Millions)

State	Category of Need										Total (I - V)
	Total	I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Nebraska	14	10	0*	0	0*	2	2	0	0*	0	14
Nevada	8	3	0	1	2	1	1	0	0	0	8
New Hampshire	6	4	0	0	0*	1	1	0	0	0	6
New Jersey	18	4	1	1	2	6	2	0	0	2	16
New Mexico	42	5	16	0	0	20	1	0	0	0	42
New York	190	85	6	5	1	53	39	0	0	1	189
North Carolina	172	19	24	3	0*	81	45	0	0	0	172
North Dakota	4	3	0	0	1	0	0	0	0*	0*	4
Ohio	253	71	14	1	0*	105	46	16	0	0	253
Oklahoma	17	9	0*	0	0*	4	4	0	0	0	17
Oregon	24	8	4	1	3	4	4	0	0	0*	24
Pennsylvania	246	73	6	0*	0*	125	24	18	0	0	246
Rhode Island	1	0*	0	0	0	1	0	0	0	0	1
South Carolina	8	4	0*	0*	0	3	1	0	0	0	8
South Dakota	18	9	1	0	1	3	0*	0*	4	0	14
Tennessee	11	2	0*	1	2	5	1	0	0	0	11
Texas	139	50	3	1	0*	51	34	0	0	0	139
Utah	10	3	0	0	0	6	1	0	0	0	10
Vermont	9	2	1	0	0	3	3	0	0	0	9
Virginia	100	27	9	2	0*	38	24	0	0	0	100
Washington	37	19	0	3	4	5	5	0	0	1	36
West Virginia	349	110	7	3	1	131	78	19	0	0	349
Wisconsin	221	79	8	2	3	103	26	0	0	0	221
Wyoming	2	2	0	0*	0*	0	0	0	0	0	2
Amer. Samoa	0	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0	0
No. Marianas	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands	1	0	0	0	1	0	0	0	0	0	1
<b>Total</b>	<b>3,515</b>	<b>1,379</b>	<b>132</b>	<b>42</b>	<b>45</b>	<b>1,251</b>	<b>554</b>	<b>83</b>	<b>4</b>	<b>25</b>	<b>3,486</b>

Categories: I Secondary Treatment IVB New Interceptor Sewers  
 II Advanced Treatment V Combined Sewer Overflows  
 IIIA Infiltration/Inflow Correction VI Storm Water  
 IIIB Sewer Replacement/Rehabilitation VII Nonpoint Sources  
 IVA New Collector Sewers

† Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-14**

1996 Clean Water Needs Survey<sup>†</sup>  
 Separate State Estimates  
 (January 1996 Dollars in Millions)

Table A-14 summarizes the States' assessment of needs to satisfy the design year (2016) population for selected wastewater treatment facilities that the States believe to be legitimate but that either were justified with documents outside the established documentation criteria of the 1996 Clean Water Needs Survey or had no written documentation. The Separate State Estimates are optional and in addition to the EPA estimates. All values are presented in millions of January 1996 dollars.

These needs are shown in Table A-14 by category of need in each State and U.S. Territory.

State	<u>Category of Need</u>										Total (I - V)
	Total	I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Alabama	17	5	9	1	0	0	2	0	0	0	17
Alaska	25	6	0	0	0	9	5	0	0	5	20
Arizona	152	23	14	0	0*	20	70	0	10	15	127
Arkansas	715	190	70	113	98	128	114	2	0	0	715
California	2,629	1,561	4	26	391	124	412	0	111	0	2,518
Colorado	52	1	50	0	0	0	1	0	0	0	52
Connecticut	757	97	481	3	0	7	4	165	0	0	757
Delaware	130	45	0	4	0	53	26	0	2	0	128
Dist. of Columbia	0	0	0	0	0	0	0	0	0	0	0
Florida	2	0	0	0	0*	0	2	0	0	0	2
Georgia	549	90	149	33	20	89	124	44	0	0	549
Hawaii	1,343	364	0	172	467	178	162	0	0	0	1,343
Idaho	163	126	3	4	7	11	12	0	0	0	163
Illinois	963	86	34	8	18	10	49	1	0	757	206
Indiana	879	89	47	16	7	33	30	657	0	0	879
Iowa	27	13	0	0	0	0	14	0	0	0	27
Kansas	63	1	33	0	0	0	29	0	0	0	63
Kentucky	341	69	25	31	53	119	41	3	0	0	341
Louisiana	537	126	40	17	22	147	157	0	28	0	509
Maine	759	7	0	3	0	22	10	717	0	0	759
Maryland	5	1	0	0	0	0	0	0	4	0	1
Massachusetts	2,353	171	61	98	8	408	231	14	1,300	62	991
Michigan	26	20	0	0*	1	4	1	0	0	0	26
Minnesota	161	77	13	9	10	22	30	0	0	0	161
Mississippi	229	51	47	37	34	46	12	0	2	0*	227
Missouri	1,127	93	0	0	0*	72	55	519	0	388	739
Montana	35	16	0	0	4	4	3	0	7	1	27

Table A-14 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Separate State Estimates  
 (January 1996 Dollars in Millions)

State	Total	Category of Need									Total (I - V)
		I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Nebraska	189	5	1	1	0*	8	0*	160	14	0	175
Nevada	503	354	71	0*	1	17	60	0	0*	0	503
New Hampshire	426	24	16	15	9	170	92	100	0	0	426
New Jersey	1,068	326	0	6	264	39	113	285	5	30	1,033
New Mexico	0	0	0	0	0	0	0	0	0	0	0
New York	2,740	1,097	510	72	132	325	296	274	34	0	2,706
North Carolina	3,788	114	432	53	29	306	192	0	2,661	1	1,126
North Dakota	0	0	0	0	0	0	0	0	0	0	0
Ohio	1,008	174	102	68	35	275	132	180	42	0*	966
Oklahoma	160	24	99	20	3	2	12	0	0	0	160
Oregon	22	0	0	10	11	1	0	0	0	0	22
Pennsylvania	3,329	422	144	7	12	505	267	1,925	0	47	3,282
Rhode Island	0	0	0	0	0	0	0	0	0	0	0
South Carolina	70	36	5	3	0	9	17	0	0*	0	70
South Dakota	9	4	0	0	2	1	0*	0	2	0	7
Tennessee	973	234	34	130	125	218	216	0	16	0	957
Texas	1,815	598	250	45	118	174	630	0	0	0	1,815
Utah	750	136	0	0	19	500	91	0	4	0	746
Vermont	73	33	7	0	0	16	8	8	1	0	72
Virginia	411	136	30	24	12	93	65	1	50	0	361
Washington	741	98	26	76	55	53	309	123	1	0	740
West Virginia	1,024	254	1	21	37	290	389	32	0	0	1,024
Wisconsin	714	74	23	0	0	38	7	0	572	0	142
Wyoming	71	38	12	7	10	2	2	0	0*	0	71
Amer. Samoa	0	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0	0
No. Marianas	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	228	79	1	5	1	68	74	0	0	0	228
Virgin Islands	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>34,151</b>	<b>7,588</b>	<b>2,844</b>	<b>1,138</b>	<b>2,015</b>	<b>4,616</b>	<b>4,568</b>	<b>5,210</b>	<b>4,866</b>	<b>1,306</b>	<b>27,979</b>

Categories:	I	Secondary Treatment	IVB	New Interceptor Sewers
	II	Advanced Treatment	V	Combined Sewer Overflows
	IIIA	Infiltration/Inflow Correction	VI	Storm Water
	IIIB	Sewer Replacement/Rehabilitation	VII	Nonpoint Sources (see Table A-15
	IVA	New Collector Sewers		For totals by subcategory)

† Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-15**

1996 Clean Water Needs Survey<sup>†</sup>  
 Separate State Estimates for Nonpoint Source Projects  
 (January 1996 Dollars in Millions)

Table A-15 summarizes States' 1996 estimated needs for nonpoint source related activities. The subcategory totals provided here are summarized in the Category VII column of Table A-14.

State	<u>Category VII Needs</u>							Total
	A	B	C	D	E	F	G	
Alabama	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	5	0	0	5
Arizona	5	0*	0*	8	1	0	1	15
Arkansas	0	0	0	0	0	0	0	0
California	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	0	0	0	0
Connecticut	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0
Dist. of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0	0
Georgia	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0
Illinois	757	0	0	0	0	0	0	757
Indiana	0	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	0	0	0	0
Massachusetts	0	12	0*	50	0	0	0	62
Michigan	0	0	0	0	0	0	0	0
Minnesota	0	0	0	0	0	0	0	0
Mississippi	0	0	0	0	0*	0	0	0*
Missouri	0	0	0	0	388	0	0	388
Montana	0	0	0	0	1	0	0	1

Table A-15 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Separate State Estimates for Nonpoint Source Projects  
 (January 1996 Dollars in Millions)

State	Category VII Needs							Total
	A	B	C	D	E	F	G	
Nebraska	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0
New Jersey	0	0	0	30	0*	0	0	30
New Mexico	0	0	0	0	0	0	0	0
New York	0	0	0	0	0	0	0	0
North Carolina	0	0	0	1	0	0	0	1
North Dakota	0	0	0	0	0	0	0	0
Ohio	0*	0	0	0	0	0	0	0*
Oklahoma	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0
Pennsylvania	7	40	0	0	0	0	0	47
Rhode Island	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0
Texas	0	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0	0
Amer. Samoa	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0
No. Marianas	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0
<b>Total</b>	<b>769</b>	<b>52</b>	<b>0*</b>	<b>89</b>	<b>395</b>	<b>0</b>	<b>1</b>	<b>1,306</b>

Category VII Subcategories:

A	Agriculture (cropland)	E	Ground Water
B	Agriculture (confined animal facilities)	F	Estuaries
C	Silviculture	G	Wetlands
D	Urban Runoff		

† Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.

**Table A-16**

1996 Clean Water Needs Survey<sup>†</sup>  
 Separate State Estimates for Small Community Facilities  
 (January 1996 Dollars in Millions)

Table A-16 summarizes the States' assessment of needs to satisfy the design year (2016) population living in small communities. The small community needs shown in Table A-16 were derived by EPA from the total Separate State Estimates using criteria as defined in the report section, *"What Are the Needs for Small Communities?"*. These needs are shown by category of need in each State and U.S. Territory.

Separate State Estimates reported by the States are optional and are for selected wastewater treatment facilities that the States believe to be legitimate but that either were justified with documents outside the established criteria of the 1996 Clean Water Needs Survey or had no written documentation. All values are presented in millions of January 1996 dollars.

State	Total	Category of Need									Total (I - V)
		I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Alabama	0	0	0	0	0	0	0	0	0	0	0
Alaska	12	4	0	0	0	5	2	0	0	1	11
Arizona	2	2	0	0	0*	0*	0*	0	0	0	2
Arkansas	423	146	44	39	23	104	67	0	0	0	423
California	78	10	0	0	0	45	23	0	0	0	78
Colorado	1	1	0	0	0	0	0*	0	0	0	1
Connecticut	0	0	0	0	0	0	0	0	0	0	0
Delaware	53	4	0	0	0	33	16	0	0	0	53
Dist. of Columbia	0	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0	0	0	0	0
Georgia	33	3	8	1	5	7	9	0	0	0	33
Hawaii	103	40	0	0	2	35	26	0	0	0	103
Idaho	126	115	0	0	2	5	4	0	0	0	126
Illinois	17	9	0*	0*	0	7	1	0	0	0	17
Indiana	72	20	4	9	3	14	18	4	0	0	72
Iowa	1	1	0	0	0	0	0	0	0	0	1
Kansas	17	1	16	0	0	0	0	0	0	0	17
Kentucky	171	52	12	6	7	74	20	0	0	0	171
Louisiana	117	21	16	1	4	41	34	0	0	0	117
Maine	74	0	0	0*	0	12	7	55	0	0	74
Maryland	0*	0	0	0	0	0	0	0	0*	0	0
Massachusetts	205	51	19	4	1	98	32	0	0	0	205
Michigan	5	1	0	0	0	4	0*	0	0	0	5
Minnesota	63	20	14	6	3	9	11	0	0	0	63
Mississippi	58	6	2	11	11	23	5	0	0	0	58
Missouri	178	67	0	0	0	64	47	0	0	0	178
Montana	24	14	0	0	4	3	3	0	0*	0	24

Table A-16 — Continued

1996 Clean Water Needs Survey<sup>†</sup>  
 Separate State Estimates for Small Community Facilities  
 (January 1996 Dollars in Millions)

State	Category of Need										Total (I - V)
	Total	I	II	IIIA	IIIB	IVA	IVB	V	VI	VII	
Nebraska	7	4	1	1	0*	0*	0*	0	1	0	6
Nevada	17	10	2	0*	1	3	1	0	0*	0	17
New Hampshire	72	13	1	3	1	32	22	0	0	0	72
New Jersey	283	270	0	1	0	0	0	0	0	12	271
New Mexico	0	0	0	0	0	0	0	0	0	0	0
New York	653	260	13	17	17	174	144	28	0	0	653
North Carolina	152	16	30	9	3	66	28	0	0*	0	152
North Dakota	0	0	0	0	0	0	0	0	0	0	0
Ohio	288	65	18	20	12	123	35	15	0	0	288
Oklahoma	23	17	5	0	0*	0*	1	0	0	0	23
Oregon	3	0	0	1	1	1	0	0	0	0	3
Pennsylvania	906	301	87	5	6	417	79	11	0	0	906
Rhode Island	0	0	0	0	0	0	0	0	0	0	0
South Carolina	25	10	1	0*	0	8	6	0	0*	0	25
South Dakota	3	1	0	0	1	0	0*	0	1	0	2
Tennessee	204	67	9	22	31	43	32	0	0	0	204
Texas	296	91	15	2	6	88	94	0	0	0	296
Utah	71	23	0	0	2	41	5	0	0	0	71
Vermont	41	6	7	0	0	16	8	3	1	0	40
Virginia	256	93	22	16	2	76	47	0	0	0	256
Washington	15	1	0	0	0	8	6	0	0*	0	15
West Virginia	931	247	2	17	24	261	360	20	0	0	931
Wisconsin	53	17	1	0	0	32	3	0	0	0	53
Wyoming	23	18	0	0	5	0*	0*	0	0	0	23
Amer. Samoa	0	0	0	0	0	0	0	0	0	0	0
No. Marianas	0	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>6,155</b>	<b>2,118</b>	<b>349</b>	<b>191</b>	<b>177</b>	<b>1,972</b>	<b>1,196</b>	<b>136</b>	<b>3</b>	<b>13</b>	<b>6,139</b>

Categories:	I	Secondary Treatment	IVB	New Interceptor Sewers
	II	Advanced Treatment	V	Combined Sewer Overflows
	IIIA	Infiltration/Inflow Correction	VI	Storm Water
	IIIB	Sewer Replacement/Rehabilitation	VII	Nonpoint Sources
	IVA	New Collector Sewers		

<sup>†</sup> Palau not considered in 1996 CWNS due to free association.

\* Estimate is less than \$0.5 million.